



THORNE AND DERRICK UK – LEAK DETECTION
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secure environments



anti-vandal range of washroom controls

Cistermiser has developed a range of washroom products to meet the demanding requirements of environments such as prisons and secure hospitals.

Our products have been designed to impede deliberate vandalism, acts of aggression towards others and attempts to self-harm. The entire range of products provides vandal-resistant touch controlled water delivery to washrooms.

anti-vandal range

Cistermiser's **av range** is easy to install and is designed to offer the highest possible levels of tamper-proof security and remote control while, at the same time, saving water and minimising running costs through the use of latching solenoids.

The user interface is a stainless steel encased piezo touch button which is fixed flush with the mounting surface. The basin spouts and shower heads are also made from stainless steel and they come with anti-rotation washers and pins. There is a range of specially contoured anti-ligature versions of the basin spouts and shower heads for use in locations where self-harm is a real concern.

The highly versatile **av range** also includes three styles of shower head, two styles of wall mounted basin spout, a combined flush and fill valve for WC cisterns with the option of supply within a pre-configured cistern, a direct flushing urinal valve, a six channel controller and a power supply unit.



BREEAM Prisons can assess high and standard security prisons, young offenders' institutions, local prisons and women's prisons at the design stage and post construction.

av range

The Cistermiser **av range** can help a building design achieve specific BREEAM credits under the water category whilst providing a robust anti-vandal, anti-ligature water control package for high risk and hard use environments.

BREEAM category

cistermiser product

performance

Wat 1

Where evidence provided demonstrates that the specification includes taps, urinals, WCs and showers that consume less potable water in use than standard specifications for the same type of fittings.

a range control of **easyflush** WC valve

- Standard 6 litre full flush with an adjustable part flush giving an effective flush volume of 4.5 litres.
- Full flush adjustable to 4 litres with a subsequent reduction in part flush giving an effective flush volume of 3 litres.

av range control of **direct flush** urinal control valve

- Each flush uses less than 0.5 litres.
- Flush arrest function to reduce water consumption further during periods of high use.

av basin outlets and showers

- Basin outlet flow control set at 2.2 litres per minute.
- Shower outlet flow control set at 1.7 litres per minute.

Hea 12

Where hot and cold water systems have been designed or actions taken to minimise risks of microbial contamination.

av basin outlets and showers

- Used with Thermostatic Mixing Valves, the periodic hygiene rinse function prevents the warm, mixed water from stagnating.
- Reduces the risk of microbial contamination such as legionella.

washroom control range

The Cistermiser **washroom control range** helps building designs gain BREEAM credit ratings under the Water category as well as providing additional washroom management functions.

BREEAM category

cistermiser product

performance

Wat 4

Where evidence is provided to demonstrate that proximity detection shut off is provided to the water supply to all urinals and WCs.

washroom control

- Controls proximity shut-off of the water supply to the urinals and WCs by means of the PIR sensor detecting occupancy and providing signals to the control valves during periods of no occupation.

sensazone

- Controls proximity shut-off of the water supply to the urinals and WCs by means of the PIR sensor detecting occupancy and providing signals to the control valves during periods of no occupation.





Cistermiser
water management at its best

Cistermiser



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